# Rockford Area Transportation Study Pedestrian and Bicycle Plan Table of Contents

1	Introduction
2	Plan Coordination
2.1	Federal Government
2.2	State of Illinois
2.3	Boone and Winnebago Regional Greenways Plan
2.4	Boone County
2.5	Winnebago County
2.6	Municipal Comprehensive Planning
2.7	Park Districts
2.8	Forest Preserves and Conservation Districts
2.9	Surrounding Counties
2.10	State Line Area Transportation Study
3	Rockford Mass Transit District
3.1	Existing Conditions
3.2	Proposed Improvements
3.3	Public Funding
3.4	Education
4	Pedestrian Facilities
4.1	Existing Conditions
4.2	Facility Analysis
4.3	Proposed Improvements
4.4	Cost Estimation
5	Bicycle Facilities
5.1	Existing Conditions
5.2	Proposed Improvements
5.3	Project Prioritization
5.4	Cost Estimation
5.5	Recommendations
6	Cafatry and Health Danafite
6	Safety and Health Benefits
6.1	Accident Data

6.2

6.3

Sidewalk Maintenance

**Public Health Benefits** 

- 7 Traffic Regulations
  7.1 State Traffic Regulations
  7.2 Municipal Traffic Regulations
- 7.3 Boub v. Township of Wayne
- 7.4 Recommendations
- 8 Development Regulations
- 8.1 Background
- 8.2 County and Municipal Regulations
- 8.3 Recommendations
- 8.4 Complete Streets
- 9 Pedestrian Facility Standards
- 9.1 Sidewalks
- 9.2 Curbs
- 9.3 Crosswalks
- 9.4 Intersections
- 9.5 Signalization and Signage
- 9.6 Recommendations
- 10 Bicycle Facility Standards
- 10.1 Shared Use Paths
- 10.2 Bicycle Lanes
- 10.3 Shared Roadways and Bike Routes
- 10.4 Signal Actuation and Timing
- 10.5 Bicycle Parking Specifications and Placement Guidelines
- 11 Stakeholder and Public Involvement
- 11.1 County, Township, Municipal, and Community Leader Surveys
- 11.2 Stakeholder Interviews
- 11.3 Bicycle Ride and Public Workshop
- 11.4 Environmental and Social Justice
- 11.5 Website
- 11.6 Final Public Workshops
- 12 Public Funding
- 12.1 Regional Transportation Planning Process
- 12.2 Illinois Transportation Enhancement Program
- 12.3 Other Potential Federal/State Funding Sources
- 12.4 Local Responsibility
- 12.5 Other Funding Sources

#### **List of Tables**

- 2-1 Comprehensive Plans
- 4-1 Miles of Analyzed Sidewalks
- 4-2 Miles of Sidewalk Needs by Municipality and Priority
- 4-3 Sidewalk Construction Cost Estimates by Municipality and Priority
- 5-1 Proposed Bicycle Corridors by Municipality and Priority
- 5-2 Proposed Bicycle Corridors by Municipality and Facility
- 5-3 Bicycle Facility Cost Estimates
- 5-4 Facility Cost Estimates by Municipality
- 5-5 High Priority Route and Lane Costs by Municipality
- 6-1 Pedestrian and Pedalcyclist Collision Type Data
- 7-1 Pedestrian and Bicycle Use Regulations
- 8-1 Subdivision and Zoning Regulations that Require Pedestrian Facilities
- 8-2 Subdivision and Zoning Regulations that Require Bicycle Facilities
- 8-3 Comparison of Sidewalk Requirements
- 10-1 Advantages and Disadvantages of Surface Materials
- 10-2 IDOT Bike Lane Widths
- 10-3 Municipal Garage Bicycle Parking
- 10-4 Class 1 Bicycle Parking
- 10-5 Off-Street Bicycle Parking
- 11-1 Community Leader Survey Results
- 12-1 Enhancement Projects

## **List of Figures**

- 1-1 Metropolitan Planning Area Setting
- 2-1 Ogle County Potential Recreation Trails
- 2-2 Pecatonica Prairie Path and Jane Addams Trail
- 3-1 RMTD Transfer Facility
- 4-1 Central Belvidere Sidewalk Network
- 4-2 Two-Step Pedestrian Facility Analysis
- 4-3 Rock Valley College Shared-Use Path
- 5-1 Machesney Park Bicycle Lane
- 7-1 Village of Roscoe Crosswalk
- 8-1 Roscoe Sidepath
- 9-1 Examples of Crosswalk Markings
- 9-2 Effective Corner Radius
- 9-3 Turning Island
- 9-4 Pedestrian Push-Button
- 10-1 Side Path/Roadway Intersection
- 10-2 Curve Warning, Bicycle Crossing, and Directional Signage
- 10-3 Bike Lanes on a Narrow Two-Way Street with No Parking on Both Sides
- 10-4 Bike Lanes on a 44-foot Wide Street with Parking on Both Sides
- 10-5 Optional Symbol Pavement Markings for Bike Lanes
- 10-6 Example of Pavement Markings for Bicycle Lanes on a Two-Way Street

- 10-7 Bicycle Lane Treatment at Right Turn Only Lane
- 10-8 Signing of Shared Lanes
- 10-9 Sewer Grates
- 10-10 Reducing the Number of Vehicular Travel Lanes
- 10-11 Removed Parking
- 10-12 Typical Bike Route Signing
- 10-13 Widened Outside Lanes
- 10-14 Bicycle Detector Pavement Marking
- 10-15 Inverted "U" Bicycle Rack
- 10-16 Recommended Dimensions for Bicycle Rack Parking
- 10-17 Bicycle Lockers
- 11-1 Public Bicycle Ride
- 11-2 Bicycle Ride Participants

## **List of Maps**

- 4-1 Missing Sidewalks Along Major Corridors
- 4-2 Pedestrian Generators
- 4-3 Pedestrian Facility Analysis
- 4-4 Proposed Pedestrian Priorities
- 5-1 Existing Bicycle Facilities
- 5-2 Proposed Bicycle Facilities
- 5-3 Proposed On-Street Bicycle Facilities, High Priority
- 5-4 Proposed Shared Use Paths

#### **Attachments**

- A Pedestrian Priorities
- B Bicycle Facility Priorities
- C Bicycle Lane Studies
- D Municipal Staff Survey
- E Township Highway Commissioner Survey
- F Community Leader Survey
- G Public Invitation
- H Rockford Register Star Article